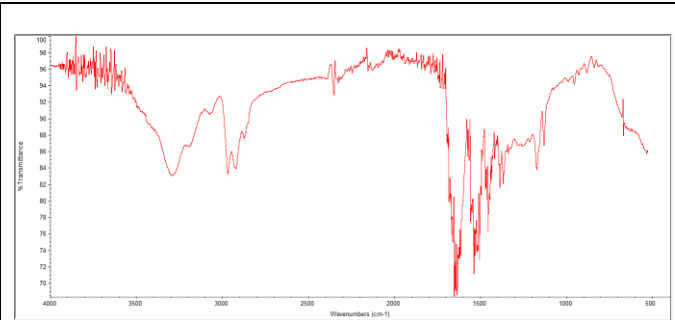
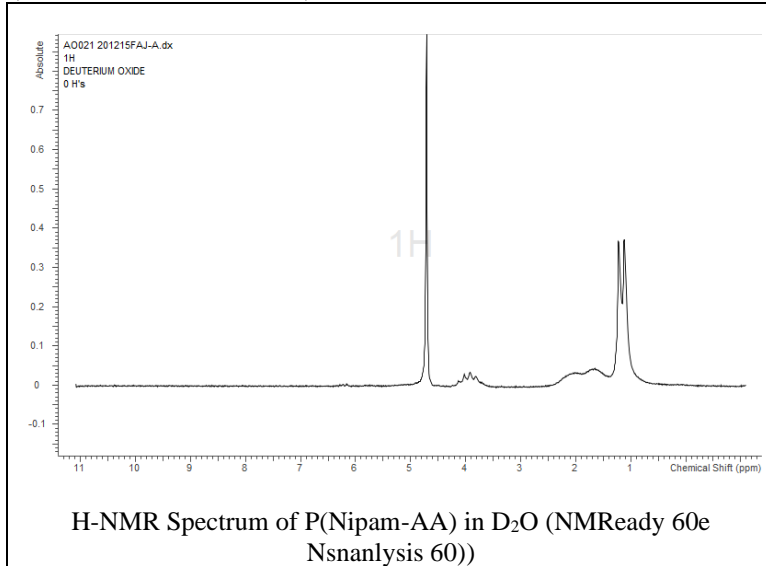


No. AO021

Certificate of Analysis

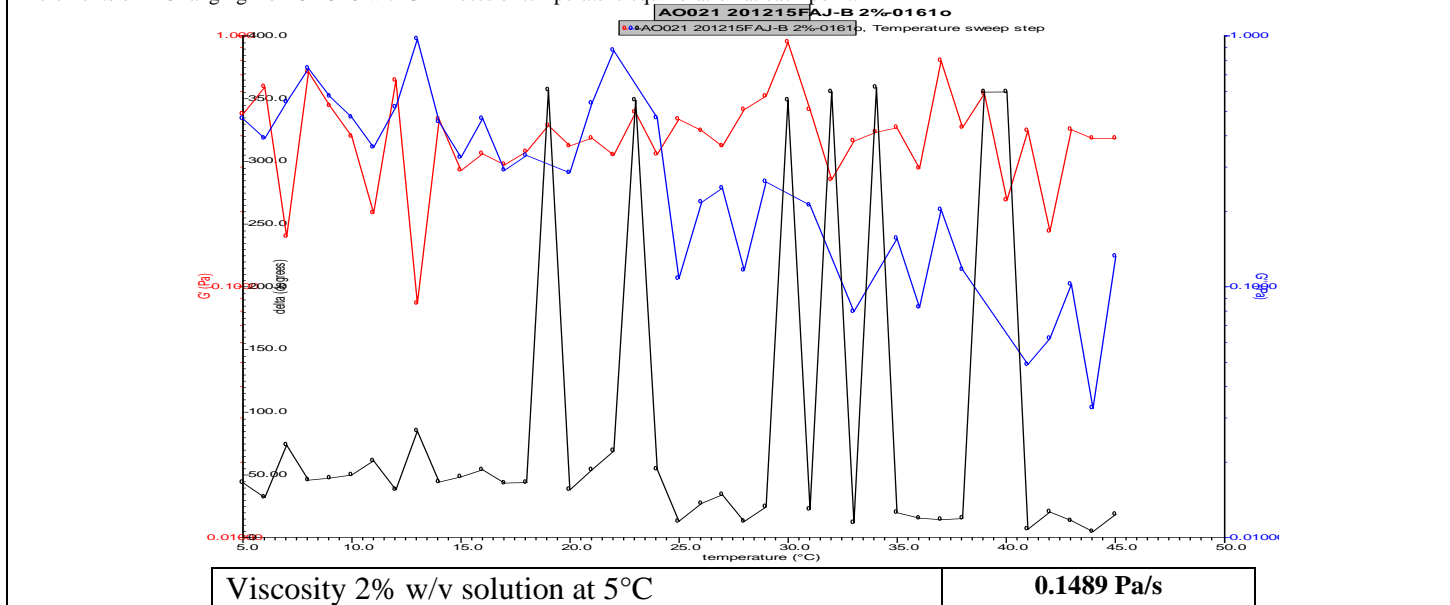


Product Name: Poly(n-isopropylacrylamide-co-acrylamide) copolymer
(75:25 NIPAM:AM) Lot# 201210FAJ-A



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.

Rheology performed on AR2000 (TA instruments) with 60mm 2degree cone on ~2% w/v polymer in water dissolved overnight with stirring at 4°C. Viscosity of solution at 0.1 (sec⁻¹) and 5°C was measured (1minute peak hold 5 second test intervals). Rheology performed by oscillating at constant 6.283 rad/s, 0.1% strain, in increments of 1°C ranging from 5-45°C with 3 minutes of temperature equilibration at each point.



- Structure**

